

2020 Census 30. Evaluations and Experiments (EAE), Demographic Analysis, & Housing Benchmark Analysis

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Major Revision Change History

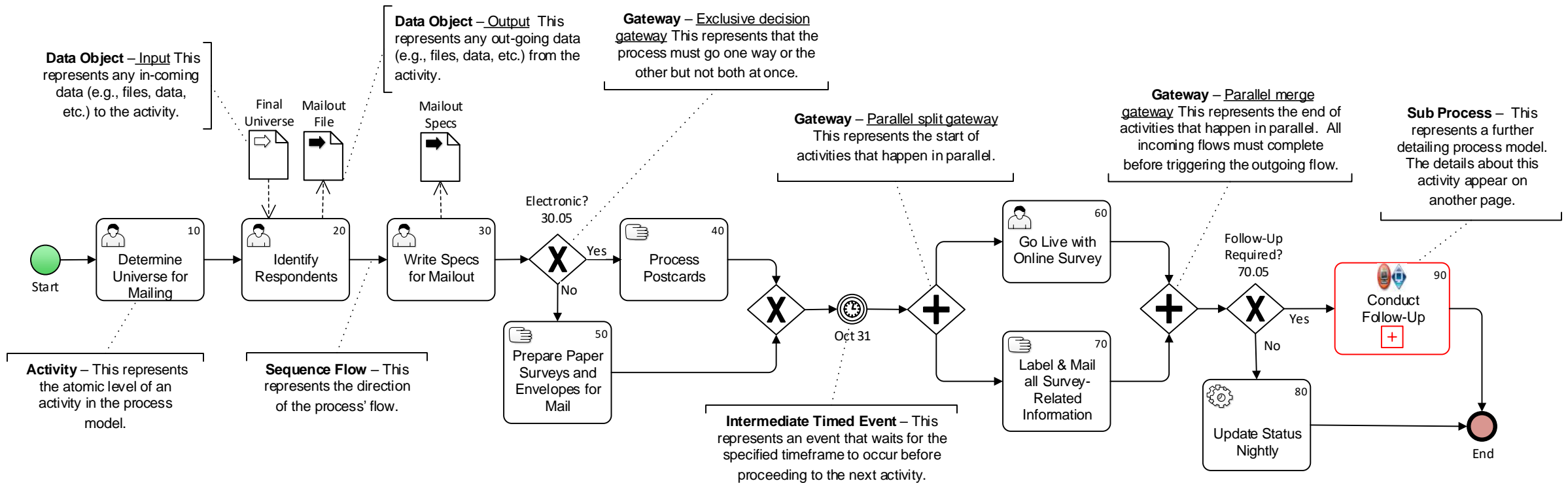
Date	Description	Author	Version #	Page #'s
12/31/2014	Baseline 1.0	Alex Spirer	1.0	All
07/30/2015	Baseline 2.0	Alex Spirer	2.0	All
02/13/2017	Baseline 3.0	Gwendolyn Pennington	3.0	All
06/12/2017	Version 3.1 - updated context diagram to include sub processes DA and HU	Godfrey Maynor	3.1	3 & 4
07/31/2017	Merged Demo Analysis and Housing Benchmarks	Godfrey Maynor	4.0	All
12/05/2017	Updates to the EAE Business Flow	Godfrey Maynor/Oliver Daley	5.0	1-5
07/24/2018	Update	Ahsan Chowdhury	6.1	All
08/06/2018	Incorporated SMEs Comments	Ahsan Chowdhury	6.2	1, 3, 4, 5, 6, 7
11/11/2018	Updates to Annotations, cosmetic adjustments	Keith Harmon	6.3	All
08/12/2019	Updates based on SME input 10 & 10.140	Keith Harmon	6.4	All
08/13/2019	Updated the number sequencing in flows	Godfrey Maynor	6.5	4,6

# Reading and Understanding the Model

## Example Activity Model

### BPM Purpose

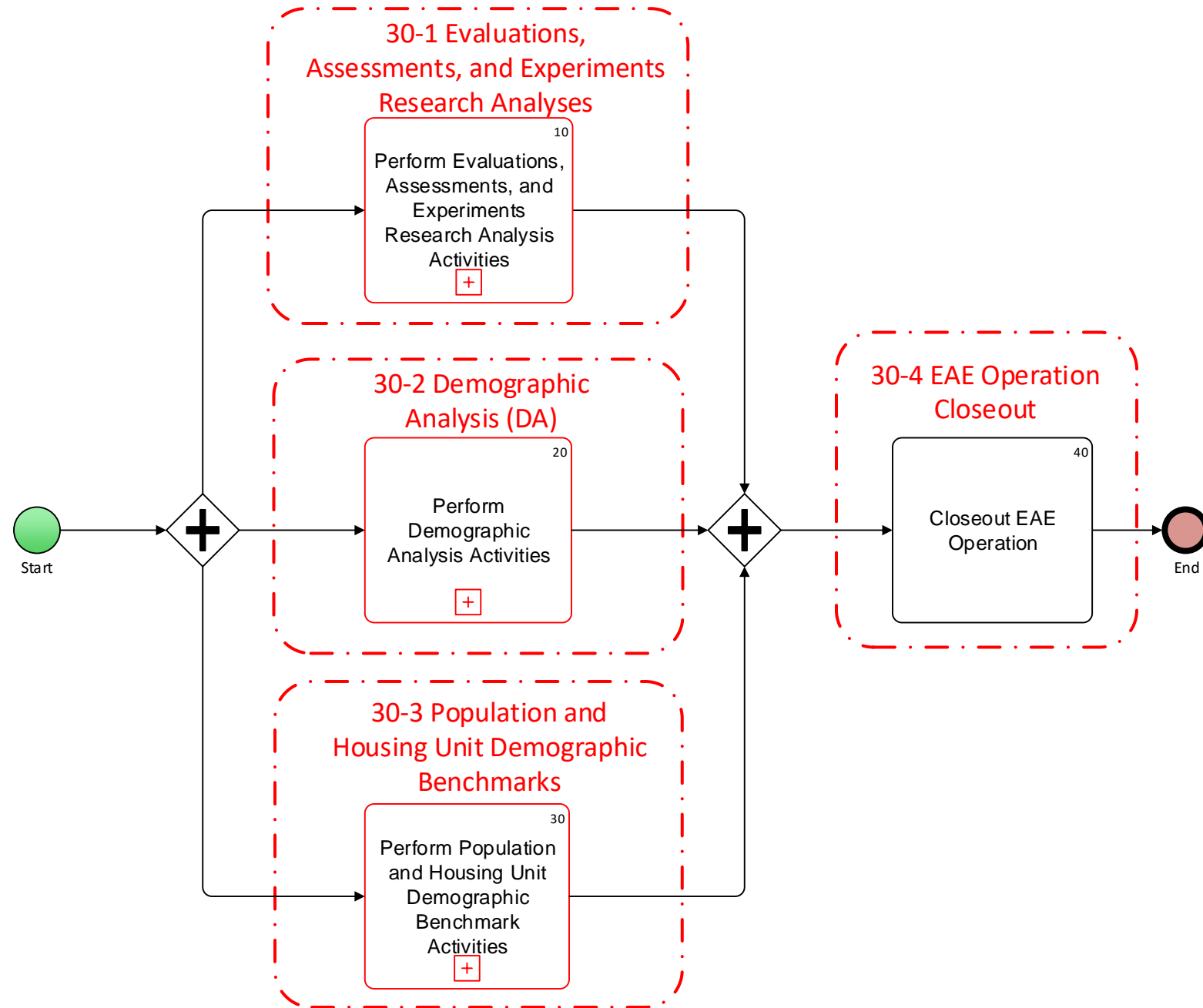
- Describe Census Operations business processes – activities, resources and key milestones
- Provide the details necessary for non-subject matter experts to understand the business process
- Contribute to the requirements development process
- Facilitate the linkage of business processes to IT capabilities
- Capture Operations inputs and outputs



Key:	Activities						Gateways	Data Objects	Other
<b>Events</b>									
Start:							Exclusive:	Input:	Sequence Flow:
End:							Parallel:	Output:	Association:
Intermediate Timed Event:							Event Based:	Data Store:	Annotation:
Flow continued on another page:									
Flow continued from another page:									
	<div> <div>Activity at atomic level:</div> <div>Activity containing a sub process:</div> <div>Optional Activity Numbering:</div> </div>						<div> <div>Note: If numbering, number by 10s to leave room for additional activities between initial activities, just in case they are needed.</div> <div>→ Any system developed specifically for Census' use</div> <div>→ Both a system developed specifically for Census' use and COTS products:</div> </div>		
	<div> <div>Activity involving:</div> <div>→ USER interacting with a system or software:</div> <div>→ SENDING a message:</div> </div>								
	<div> <div>→ MANUAL activity (no system/software involved):</div> <div>→ RECEIVING a message:</div> </div>								
	<div> <div>→ SERVICE or batch processing:</div> <div>→ RECURRING steps:</div> </div>								
	<div> <div>→ Any commercial-off-the-shelf (COTS) products:</div> </div>								

## 2020 Census 30. Evaluations and Experiments Operation (EAE)

Purpose: The objective of this operation is to perform evaluations and assessments, to conduct experiments, and to perform demographic analysis and housing unit analysis. The results of these projects inform early research leading to the 2030 Census.



# 10. Perform Evaluations, Assessments, and Experiments Research Analysis Activities

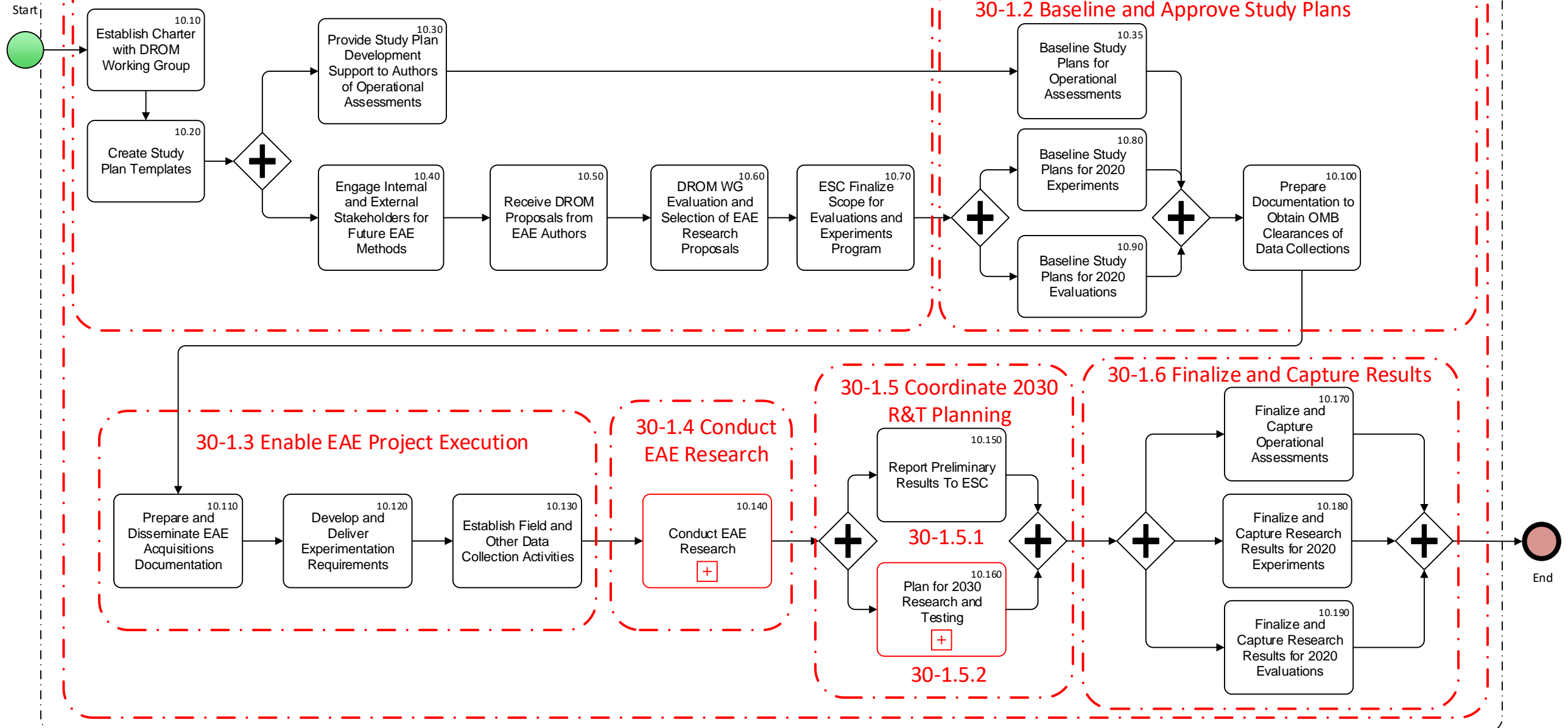
Purpose: The objective of this operation is to conduct evaluations, assessments, and experiments that analyze 2020 Census data and inform early research leading to the 2030 Census.

## Manage and Coordinate EAE Activities

### 30-1 Evaluations, Assessments, and Experiments Research Analyses

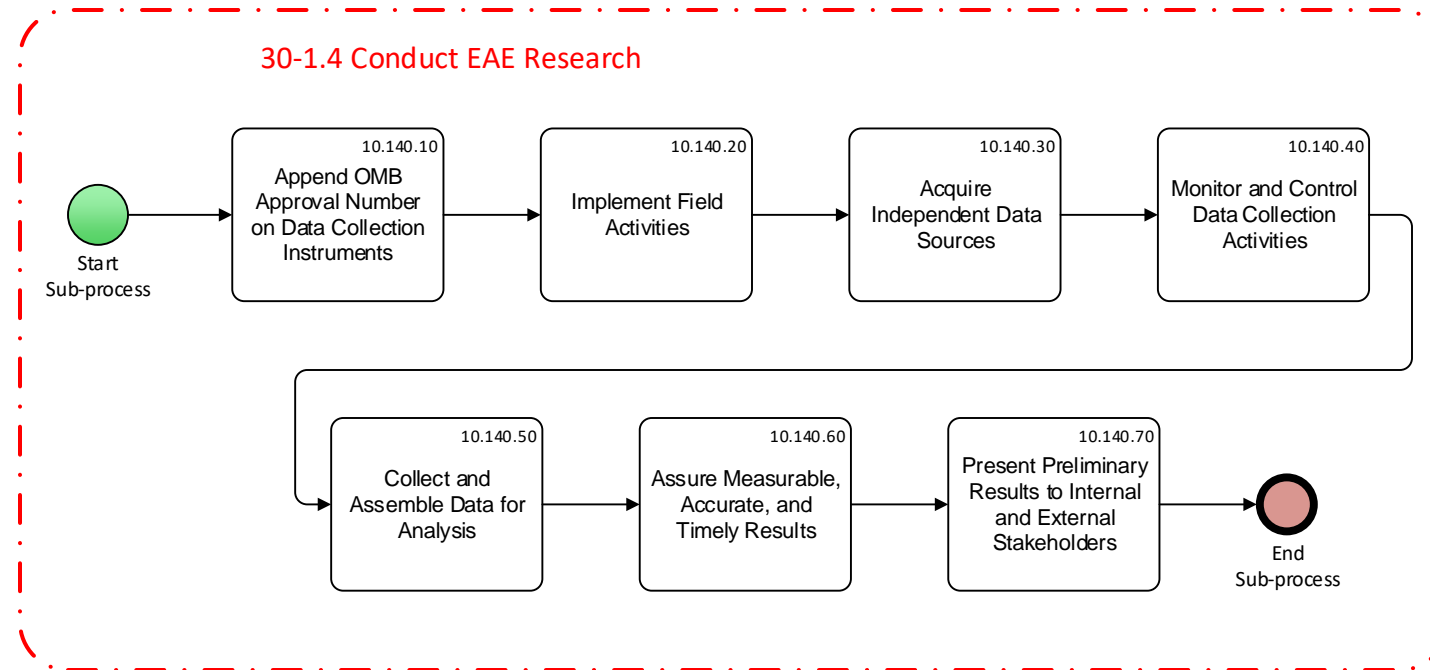
#### 30-1.1 Perform Planning and Proposal Preparation

#### 30-1.2 Baseline and Approve Study Plans



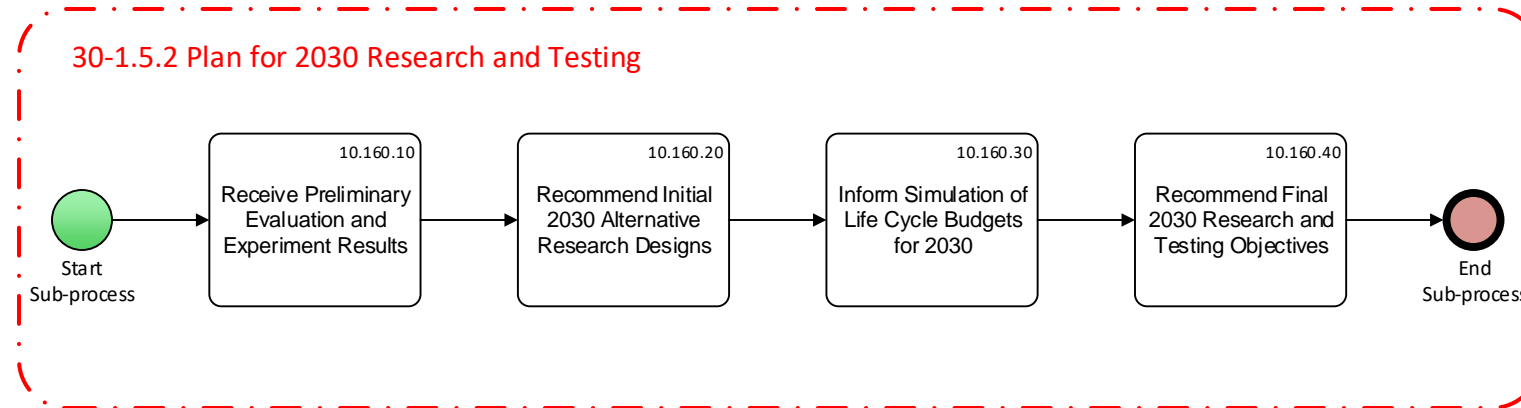
## 10.140 Conduct EAE Research

Purpose: The objective of this sub-process is to conduct research and present results to internal and external stakeholders.



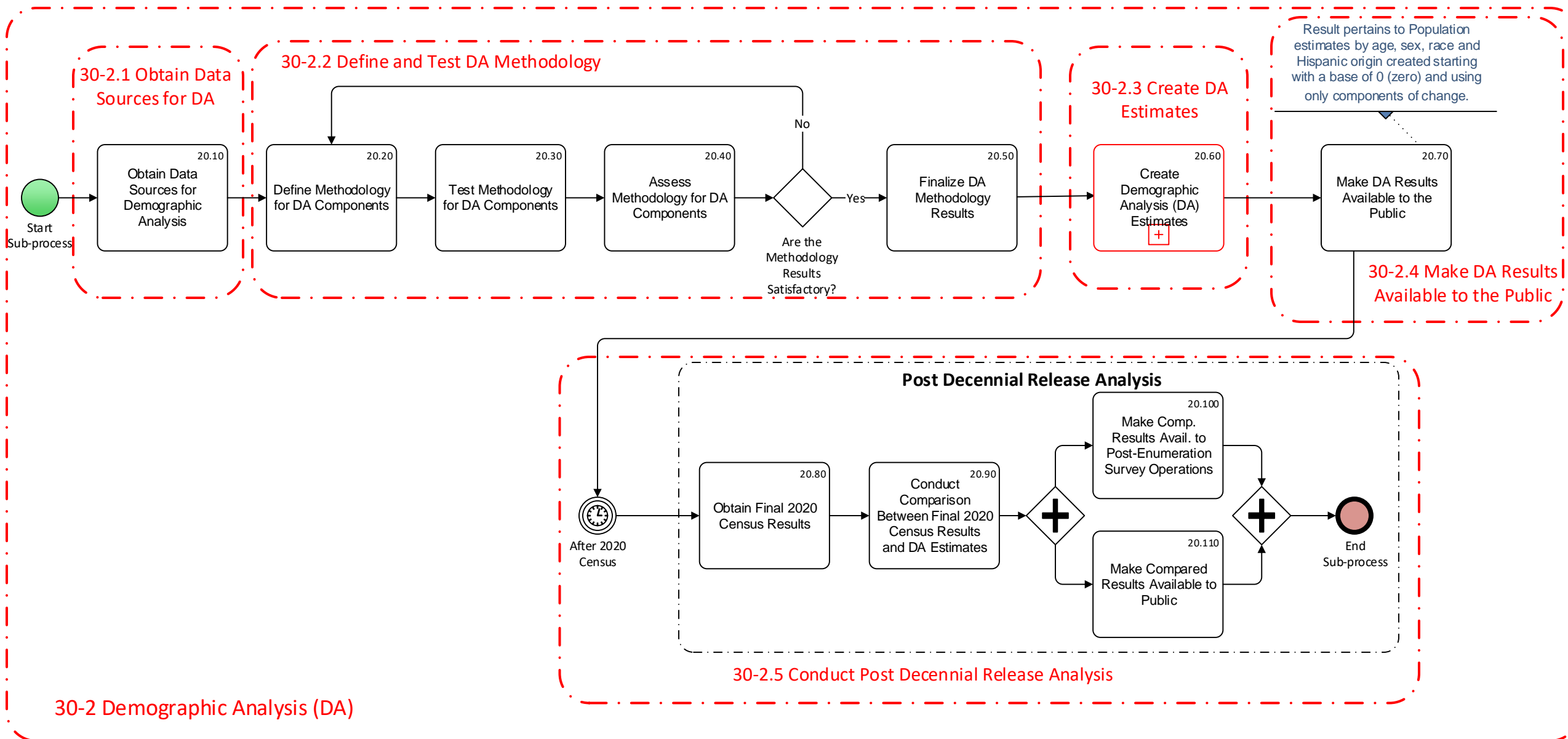
## 10.160 Plan for 2030 Research and Testing

Purpose: The objective of this sub-process is to create baseline research plans for mid-decade tests and 2030 experiments.



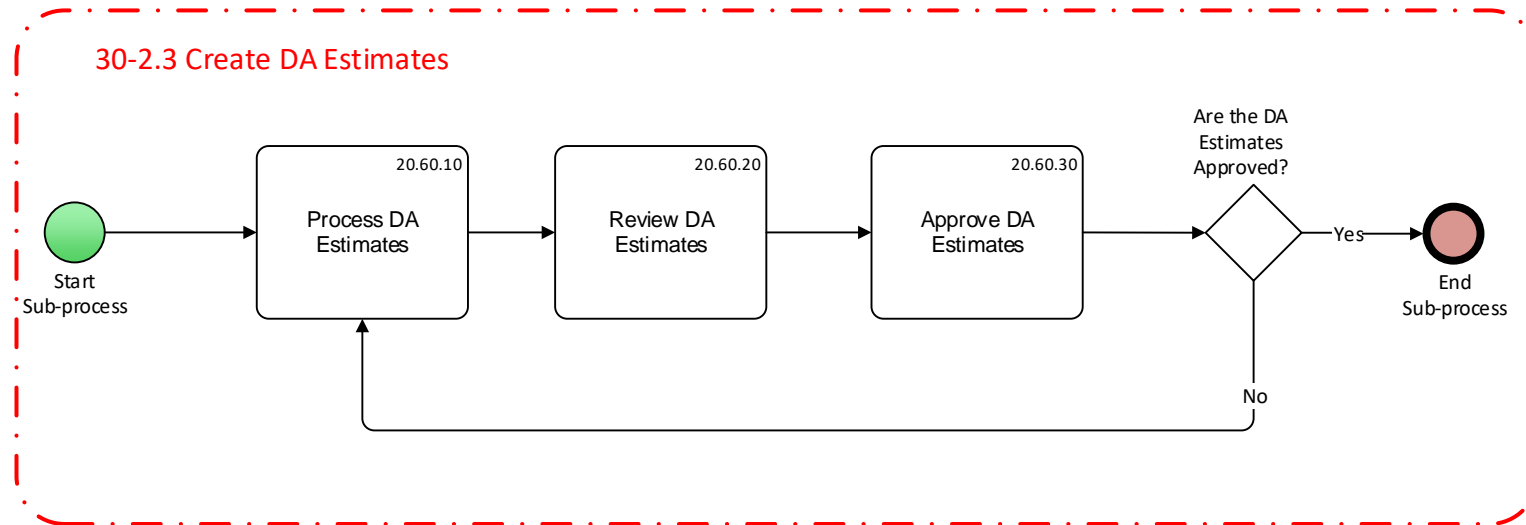
## 20 Perform Demographic Analysis (DA) Activities

Purpose: To produce and disseminate accurate, timely, and relevant independent assessments of census coverage using population and housing unit estimates in support of the 2020 Census.



## 20.60 Create Demographic Analysis Estimates

Purpose: To produce and review 2020 Demographic Analysis estimates that are accurate, timely, relevant, and independent in support of the Decennial Census.





## 30 Perform Population and Housing Unit Demographic Benchmark Activities

Purpose: To produce and review population and housing unit benchmark estimates that are accurate, timely, and relevant as requested from and in support of the 2020 Census.

### 30-3 Population and Housing Unit Demographic Benchmarks

